

BYKOVSKIY, Valeriy Fedorovich, letchik-kosmonavt SSSR, Geroy
Sovetskogo Soyuz; NIKOLAYEVA-TFRESHKOVA, Valentina
Vladimirovna, letchik-kosmonavt SSSR, Geroy Sovetskogo
Soyuz; KHEKHLOVSKAYA, N.S., red.; KAMANI N.P.,
general-leutenant aviatsii, red.

[Hello, universe!] Zdravstvui, vseleennia. Moskva, So-
vetskaya Rossiia, 1964. 212 p. (MIRA 17:10)

IDAROV, A.N.; LISOGOR, M.M.; KAMELEV, A.M.; KOROVKIN, V.D.;
KALASHNIKOV, N.A.; KREYL', F.E.; PETROV, V.V., kand.
tekhn. nauk, nauchnyy red.; KHEKHLOVSKAYA, N.S., red.;
KARASIK, N.P., tekhn. red.

[Manual for the rural motion-picture operator and mechanic]
Spravochnaia kniga sel'skogo kinomekhanika. Moskva, Izd-vo
"Sovetskaya Rossiia," 1961. 448 p. (MIRA 15:4)
(Motion-picture theaters--Equipment and supplies)

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721930008

REBROV, Mikhail Fedorovich; MEL'NIKOV, Nikolay Andreyevich, zhurnal'ist;
KAMANINA, N.P., general-leytenant aviatsii Geroy
Sovetskogo Soyuza, red.; KHEKHLOVSKAYA, N.S., red.

[Let us meet, outer space!] Dai ruku kosmos! Moskva, So-
vetskaya Rossiia, 1965. 207 p. (MIRA 18:8)

... KHEKHEL'SKAYA U.

POLAND/Organic Chemistry. Synthetic Organic Chemistry.

E-2

Abs Jour: Ref Zhur-Khimiya, No 6, 1957, 19133

Author : Khekhel'skaya V.

Inst :

Title : Reactions of Amides of Nitrobenzoic Acids with Formalde-
dehydes and Amines.

Orig Pub: Rocz. Chem., 1956, 30, No 1, 149-156.

Abstract: Amides of nitrobenzoic acids interact with CH_2O (I) in the presence of dialkylamines, forming N-hydroxymethylamides and N,N'-Methylenediamide. At the reaction of amides of nitrobenzoic acids with I and $(\text{CH}_3)_2\text{N HCl}$ hydrochlorides of N-dimethylaminoamides of nitrobenzoic acids are obtained. 0.01 mole of amide m-nitrobenzoic acid (II), 0.016 mole 25% aqueous $(\text{CH}_3)_2\text{NH}$ and 0.02 mole 37% of (I) in 25cc alcohol are heated on a water bath for 12 hours; N-hydroxymethylamide of m-nitrobenzoic acid

Card : 1/3

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POLAND/Organic Chemistry. Synthetic Organic Chemistry

Abs Jour: Ref Zhur-Khimiya, No 6, 1957, 19133

(III) is obtained, yield 56%, m.p. 138-140° (from alcohol). In carrying out the reaction in the presence of $(\text{C}_2\text{H}_5)_2\text{NH}$ III is formed, yield 68%. Analogically were obtained: N-hydroxymethylamide of m-nitrobenzoic acid (reaction is carried out in an aqueous medium in the presence K_2CO_3 , heating on a water bath 65 min.), yield 94%, m.p. 136-139° (from alc.); N-hydroxymethylamide of nitrobenzoic acid (heating 5 hours) yield 45%, m.p. 132-134° (from alcohol). N,N'-methylenediamide of m-nitrobenzoic acid is obtained with a yield 87% from 0.01 mole II and 0.02 mole I in an 85% H_2SO_4 medium at 25-30°, m.p. 254-255.5° (from alc.). Analogically are obtained: N,N'-methylenediamide of m-nitrobenzoic acid m.p. 226-228° (from alc.), and N,N'-methylenediamide of o-nitrobenzoic acid m.p. 255-257° (a small amount of N-hydroxymethyl-N,N'-methylenediamide of o-nitrobenzoic acid, m.p. 172-

Card : 2/3

KHEKHLCVSKAYA, N.S., red.; AVDEYEVA, V.A., tokhn. red.

[Diary of astronaut K.] Dnevnik letchika-kosmonavta K.
Moskva, Sovetskaja Rossia, 1963. 76 p.

(MIRA 17:1)

(Space flight training)

KHEKHLOVSKIY, A.

new techniques used in assembling watches. Izobr. i rats. no.10:
20-21 0 '58. (MIRA 11:11)

(Clockmaking and watchmaking)

KHEKH'OVSKIY, A.

Deserving respect. Izobr.1 rats, no.10:18-19 0 '59.

(MIRA 13:2)

(Zaporozh's--Electric transformers)

USSR/Human and Animal Physiology. Nervous System. Higher
Nervous Activity. Behavior.

T-10

Abs Jour: Ref Zhur-Diol., No 12, 1958, 56032.

Author : Khekht, K

Inst : Academy of Sciences USSR

Title : Closing Mechanism of Conditioned Reflexes of the
Second Order.

Orig Pub: Dokl. AN SSSR, 1957, 113, No 6, 1383-1386.

Abstract: In eighteen 4-8 months old rats two conditioned motor
reflexes (CR) were developed by using food reinforce-
ments (1 ml of a 20 percent glucose solution). Sub-
sequently, differentiation was effected, and a de-
velopment of the second order CR was initiated, be-
ginning with the 31st test. After the secondary CR

Card. : 1/3

KHEKMAT, A. R.

Dissertation defended for the degree of Candidate of Philological Sciences at the
Institute of the Peoples of Asia

"Sources of Revolutionary Poetry of Iran (Creative Works of Ibn Yamin)."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

KHEL, R.

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- [illegible]

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KHEL, Richard

CZECHOSLOVAKIA

Grad. philologist

National Museum, Prague

Prague, Prakticky Lekar, No. 18, 1962, pp 803-804

"Contribution to the History of Occupational Diseases"

4 KHEL, R.
CZECHOSLOVAKIA

KHEL, R., Prom. Philologist

People's Museum (Narodni museum), Prague

Prague, Prakticky lekar, No 13-14, 1963, pp 554-

"Medical Interest in Occupational Diseases of the Past."

CZECHOSLOVAKIA

KIDEL, R.

People's Museum (Narodni muzeum), Prague

Bratislava, Lekarsky obzor, No 9, 1963, pp 565-568

"On the History of Health Care in Slovakia in the Second Half of the 17th Century (In the Light of the French Periodical "Journal des Savants" of the Year 1680)".

XHELADZE, I.Ye.

Use of the principle of vertical zonality in dividing mountain countries
into hydrogeological regions. Trudy Lab.gidrogeol.probl. 16:240-244 '58.
(MIRA 12:2)

1. Tbilisetskiy institut inzhenerov zheleznno-dorozhnogo transporta.
(Caucasus--Water, Underground)

KHBLADZE, I.Ye.

Prospects for water supply in the territory of the Transcaucasian Railroad and its large industrial centers.

Trudy GPI [Gruz.] no.5:117-122 '61.

(MIRA 15:12)

(Transcaucasia—Water supply)

KHELADZE, V.S.

USSR/Plant Diseases - Diseases of Cultivated Plants.

0-3

Abs Jour : *Ref Zhur - Biol.*, No 7, 1958, 30258

Author : Kheladze, V.S.

Inst : -

Title : Fig Canker.

Orig Pub : *Zashchita rast. ot vredit. i bolezney*, 1957, No 5, 35-36

Abstract : The disease is described which is spread throughout the Georgian SSR and is caused by *Phomopsis cinerescens* (Sacc.) Trav.

Card 1/1

- 19 -

KHELADZE, V.S.; MATINYAN, A.B.

Experiment in treating seeds with trace elements before seeding.
Biol. Lav. bot. sada no. 36:103-104 '60. (MIRA 13:7)

1. Botanicheskiy sad Akademii nauk Gruzinskoy SSSR, Batumi.
(Germination) (Trace elements)

REKK, G.F.; KHELADZE, V.S.

Tetranychus mites recorded in the Batum Botanical Garden. Biul.
Glav. bot. sada no. 38:82-83 '60. (MIRA 14:5)

1. Botanicheskiy sad AN Gruzinskoy SSR, Batumi.
(Batumi-Mites)

KHELADZE, V.S.

New mites in the fauna of the U.S.S.R. *Biul. Glav. bot. sada*
no. 38:84 '60. (MIRA 14:5)

1. Botanicheskiy sad AN Gruzinskoy SSR, Batumi.
(Mitos)

KHELADZE, V.S.

Some data on the pests of decorative plants of the Batum Botanical
Garden. Izv. Bat. bot. sada no.11:81-90 '62. (MIRA 16:6)
(Batum--Plants, Ornamental--Diseases and pests)
(Insects, Injurious and beneficial)

KHELADZE, V.S., kand. sel'skokhoz. nauk

Lilioceria lili. Zashch. rast. ot vred. i bol. 9 no.12;34 '64.
(MIRA 18:4)

10200-57 WIP(1)
ADDNAP AP7003096

SOURCE CODE: UR/0051/66/012/003/0555/0562

Author: Khachivili, A. A.

Org: Tbilisi State University (Tbilisskiy gosudarstvennyy universitet)

TITLE: Analytical properties and asymptotic behavior of multichannel, quasipotential scattering amplitude

SOURCE: AN GrunSSR. Soobshcheniya, v. 42, no. 3, 1966, 555-562

TOPIC TAGS: scattering amplitude, asymptotic property

ABSTRACT: The analytical properties of partial amplitudes for quasipotential scattering are studied. This study is based on a quasipotential method, proposed earlier, which conveniently describes the scattering amplitude and spectrum of coupled states of two identical particles. This method has been extended to two different scalar particles. The equations derived lead to correct values of scattering amplitude on energy surfaces. It is assumed that the interaction radius is identical in all channels.

A system of equations is derived for the partial amplitudes and their analytical properties. The asymptotic behavior of the amplitudes when $|c| \rightarrow \infty$ and the relation between the cross sections in different channels are studied. Orig. art. has: 4 formulas. [JPRS: 38,168]

SUB CODE: 20 / SUBM DATE: 16Jul65 / ORIG REF: 003 / OTH REF: 003

Card 1/1

KHELASHVILI, A.I., ordinator

Labyrinthectomy in tympanogenic labyrinthitis. Vestn. otorinolaring. 25 no.3:42-46 '63
(MIRA 17:1)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - prof. S.N. Khechinashvili) Tbilisskogo instituta usovershenstvovaniya vrachey.

ACC NR 107003034

SOURCE CODE: UR/0251/66/043/003/0691/0693

AUTHOR: Gaprindashvili, I. I.; Kholaya, L. T.

ORG: Institute of Cybernetics, AN GruzSSR, Tbilisi (Institut Kibernetiki, AN GruzSSR)

TITLE: Luminescing optical fiber for CRT screens

SOURCE: AN GruzSSR. Soobshcheniya, v. 43, no. 3, 1966, 691-693

TOPIC TAGS: luminescent material, luminophor, fiber optics

ABSTRACT: The production of CRT screens from luminescent fibers, a new area in fiber optics, eliminates the process and the problem of application of the luminophor to the screen of a CRT. The authors of this article use luminescent glass in the form of silicate glass plus an activator of trivalent cerium. The cerium content varies from 0.8 to 6%. The absorption spectra of the fiber plates were measured on a spectrophotometer, using samples 0.11mm thick. These plates have absorption in the 270-340 mu band with a maximum at 313 mu. The luminescence maximum was found to be in the wave length area 420-425 mu. The illumination is blue in color. This paper was presented by corresponding member Academician AN GruzSSR N. V. Gabashvili on 14 October 1965. Orig. art. has: 1 table. [JPRS: 38,836]

Card 1/1 SUB CODE: 20 / SUBM DATE: 14Oct65 / ORIG REF: 003

0925 2035

KHEL'BEN, P. I.

KHEL'BEN, P. I.

Wound of the right ventricle of the heart. Khirurgia no.5:71
My '54. (MLRA 7:7)

1. Iz Kuybyshevskoy gorodskoy tsentral'noy bol'nitsy imeni N.I.
Pirogova.
(HEART, wounds and injuries,
"right ventricle)
(WOUNDS AND INJURIES,
"heart, right ventricle)

KHEL'BEN, P.I.

The question of surgical diseases where the caecum is located on the left side. Khirurgiia 32 no.2:74 F '56. (MIRA 9:7)

1. Iz Stavropol'skoy gorodskoy bol'nitsy (glavnyy vrach R.M. Levitskiy)

(APPENDIX (ANATOMY)) (INTESTINES--SURGERY)

Khel'ben, P.I.

~~Khel'ben, P.I.~~

Combined cardiac and intestinal wound. Khirurgiia 35 no.1:129
Ja '59. (MIRA 12:2)

1. Iz khirurgicheskogo otdeleniya (sav. P.I. Khel'ben) mediko-
sanitarnoy chasti Kuybyshevskogo neftepererabatyvayushchego za-
voda.

(HEART, wds. & inj.
cardio-intestinal (Rus))
(INTESTINES, wds & inj.
same)

KHEL'BIEN, P.I.

Our experience in the treatment of thermal burns. Khirurgia 36
no. 5:85-87 My '60. (MIRA 14:1)

(BURNS AND SCALDS)

KHELBICH, R.

PHASE I BOOK EXPLOITATION

SOV/5975

International Institute of Welding

XII kongress Mezhdunarodnogo instituta svarki, 29 iyunya - 5 iyulya 1959 v g.
Opatiti (Twelfth Annual Assembly of the International Institute of Welding,
Opatiti, June 29 - July 5, 1959) Moscow, Mashgiz, 1961. 350 p. 3000
copies printed.

Sponsoring Agency: Natsional'nyy komitet SSSR po svarke.

Ed. (Title page): G. A. Maslov, Docent; Translated from English, French,
and Serbo-Croatian by N. S. Aborenkova, K. N. Belyayev, E. P. Bogacheva,
L. A. Borisova, K. V. Zvegintseva, V. S. Minavichev, and M. M. Shelechnik;
Managing Ed. for Literature on the Hot-Working of Metals: S. Ya. Golovin,
Engineer.

PURPOSE: This collection of articles is intended for welding specialists and
the technical personnel of various production and repair shops.

Card 1/9

Twelfth Annual Assembly (Cont.)

SOV/5975

COVERAGE: The collection contains abridged reports presented and discussed at the Twelfth Annual Assembly of the International Institute of Welding. Reports deal with problems of welding and related processes used in repair work, repair techniques, and the problems arising in connection with the nature of the base and filler materials. Examples of repairing various parts are given, and the organization of repair operations in workshops and under field conditions is discussed. Economic aspects of welding and related processes as used in repair work are analyzed. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:[Only Soviet and Soviet-bloc reports are given here]

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**PART I. THE STUDY OF REPAIR-WORK TECHNIQUES
(PROCESSES, METHODS, PREPARATION, HEATING, AND
OTHER TYPES OF PROCESSING CONTROL)**

Myuntaner, L. (Czechoslovakia). Welding of Broken Crankshafts

36

Card 2/9

Twelfth Annual Assembly (Cont.)

SOV/5975

Khel'bich, R. (Czechoslovakia). Repairing High-Pressure
Reactors and Regenerators by Welding

297

Mokanu, R., I. Antonescu, and K. Freud (Rumania). Examples
of Welding Jobs Involved in the Repair Work at Rumanian Railroads

311

PART IV. ORGANIZATION OF REPAIR AND MAINTENANCE OF
EQUIPMENT AND METAL STRUCTURES AT WORKSHOPS AND UNDER
FIELD CONDITIONS AS CARRIED OUT IN VARIOUS BRANCHES OF INDUSTRY

[Part IV contains no Soviet or Soviet-bloc reports]

PART V. ECONOMIC ASPECTS OF USING WELDING AND RELATED
PROCESSES IN REPAIR WORK

[Part V contains no Soviet or Soviet-bloc reports]

Card 6/9

KHELEMENDIK, M.D. (Dneprodzershinsk, ul.Gor'kogo,d.85)

Use of the omentum in tamponing perforated gastroduodenal ulcers.
Klin.khir. no.5:82-83 My '62. (MIRA 16:4)

1. 1-ye khirurgicheskoye otdeleniye (zav. - V.I.Ryazantsev)
meditsinskoy sanitarnoy chasti metallurgicheskogo zavoda imeni
F.E.Dzerzhinskogo, Dneprodzerzhinsk.
(ALIMENTARY CANAL--ULCERS)

KHELEMENDIK, M.D. (Dneprodzershinsk)

Organization of aid in injuries in the F.E.Dzerzhinskii
Metallurgical Plant. Sovet. zdravookhr. 5:54 '63

(MIRA 17:2)

1. Iz mediko-sanitarnoy chasti zavoda imeni F.E. Dzerzhinskogo.

KHELEMENDIK. M.D.

Health propaganda and reduction of morbidity at the Dzerzhinskii
Metallurgical Plant. Sov. zdrav. 22 no.7:31 '63 (MIRA 16:12)

1. Iz mediko-sanitarnoy chasti zavoda imeni F.E.Dzerzhinskogo
(nachal'nik M.D.Khelemendik) 9-y Gorodskoy bol'nitsy (glav-
nyy vrach V.I. Ryazantsev).

KHELEMENDIK, M.D. (Dnepropetrovskaya oblast', g. Dneprodzerzhinsk,
ul. Gor'kogo, d.95)

Perforation of a consticted appendix. Vest.khir. no.8:99-100
'61. (MIRA 15:3)

1. Iz 1-go khirurgicheskogo otdeleniya (zav. - V.I. Ryazantsev)
9-y gorodskoy bol'nitsy (gl. vrach - V.S. Gagarinov) g. Dnepro-
dzerzhinska.

(APPENDICITIS)

KAMINSKIY, I.N., kand. ekonom. nauk; LABKOVSKIY, B.Ye., kand. ekonom. nauk; FETEROVICH, I.I., kand. tekhn. nauk; PINSKIY, S.Ye., inzh.; TYURKINA, N.I., inzh.; KHODOS, G.I., inzh.; KHELEMENDIK, V.G., inzh.; LERNER, Yu.I., inzh.

Problem of a standard structure of management, standard staffs, and norms on the number of engineers, technicians and employees in coal mines. Ugol' 40 no.8:60-65 Ag '65.

(MIRA 18:8)

1. Institut gornogo dela im. A.A. Skochinskogo (for all except Khodos, Khelemendik, Lerner). 2. Donetskiy nauchno-issledovatel'skiy ugol'nyy institut (for Khodos, Khelemendik). 3. Gosudarstvennyy institut po proyektirovaniyu shakht v yuzhnykh rayonakh SSSR (for Lerner).

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KHELIMSKIY, A.M. (Cheboksary)

Causes of mistakes in pathoanatomical diagnosis. Vrach.delo
no.2:199-200 F '60. (MIRA 13:6)

1. Respublikanskaya bol'nitsa Ministerstva zdravookhraneniya
Chuvashskoy ASSR.

(ANATOMY, PATHOLOGICAL)

KHELEMSKIY, A.M.

Materials and designs of insulating coverings for sugar beet piles.
Sakh.prom. 37 no.6:60-64 Je '63. (MIRA 16:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy
promyshlennosti.

(Sugar beets—Storage)

KUDRYASHOV, N.T., inzh.; KHELEMSKIY, A.M., inzh.

Cooling of sugar beets in fursface silos by means of water
spraying and ventilation. Khol.tekh. 40 no.2:40-45 Mr-Ap '63.

(MIRA 16:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy
promyshlennosti.

(Sugar beets--Storage)

LIFANOV, B.V.; KHELEMSKIY, A.M.

Foam concrete and mineral cork insulation shields for refrigerators.
Khol. tekhn. 42 no.4:48-50 J1-Ag '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kholodil'noy
promyshlennosti.

KHELEMSKIY, A.M.

[Insulating coverings for the storage of sugar beets]
Izoliatsionnye ograzhdeniia dlia khraneniia sakharnoi
svekly. Moskva, TSentr. in-t nauchno-tekhn. informatsii
pishchevoi promyshl., 1963. 43 p. (MIRA 17:9)

KHELIMSKIY, A.M. (Semipalatinsk)

Age-related changes in the dimensions of the adrenal cortex.
Ark. pat. no.12:35-38 '63. (MIPA 17:11)

1. Iz kafedry patologicheskoy anatomii (zav. - prof. D.M. Taranov)
Semipalatinskogo meditsinskogo instituta.

KHELIMSKIY, A.M. (Semipalatinsk)

Contemporary concepts of the function of the epiphysis. Probl.
endok. i gorm. 10 no.1:117-122 Ja-F '64.

(MIRA 17:10)

1. Morfologicheskiy otdel (zav. - prof. Ye.I. Tarakanov) Vsesoyuz-
nogo instituta eksperimental'noy endokrinologii (dir. - prof. Ye.
A. Vasyukova) i Semipalatinskogo meditsinskogo instituta.

KHELEMSKIY, A.Ya.

Algebras of nilpotent operators and categories related
to them. Vest. Mosk. un. Ser. 1: Mat., mekh. 18 no.4:49-55
Jl-Ag '63. (MIRA 16:8)

1. Kafedra teorii funktsiy i funktsional'nogo analiza
Moskovskogo universiteta.

KHELEMSKIY, A.Ya.

Commutative normed rings with a finite-dimensional radical. Vest.
Mosk. un. Ser. 1: Mat., mekh. 19 no.6:7-17 N-D '64.

(MIRA 18:2)

1. Kafedra teorii funktsiy i funktsional'nogo analiza Moskovskogo
universiteta.

KHELEMSKIY, A. Ya.

Description of annihilator commutative Banach algebras. Dokl.
AN SSSR 157 no.1:60-62 J1 '64 (MIRA 17:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
Predstavleno akademikom P.S. Novikovym.

KHELEKOV, V. V.

On nilpotent extensions of commutative Banach algebras,
Izv. AN SSSR, Ser. mat. 29 no.4, 1945-1956 165.

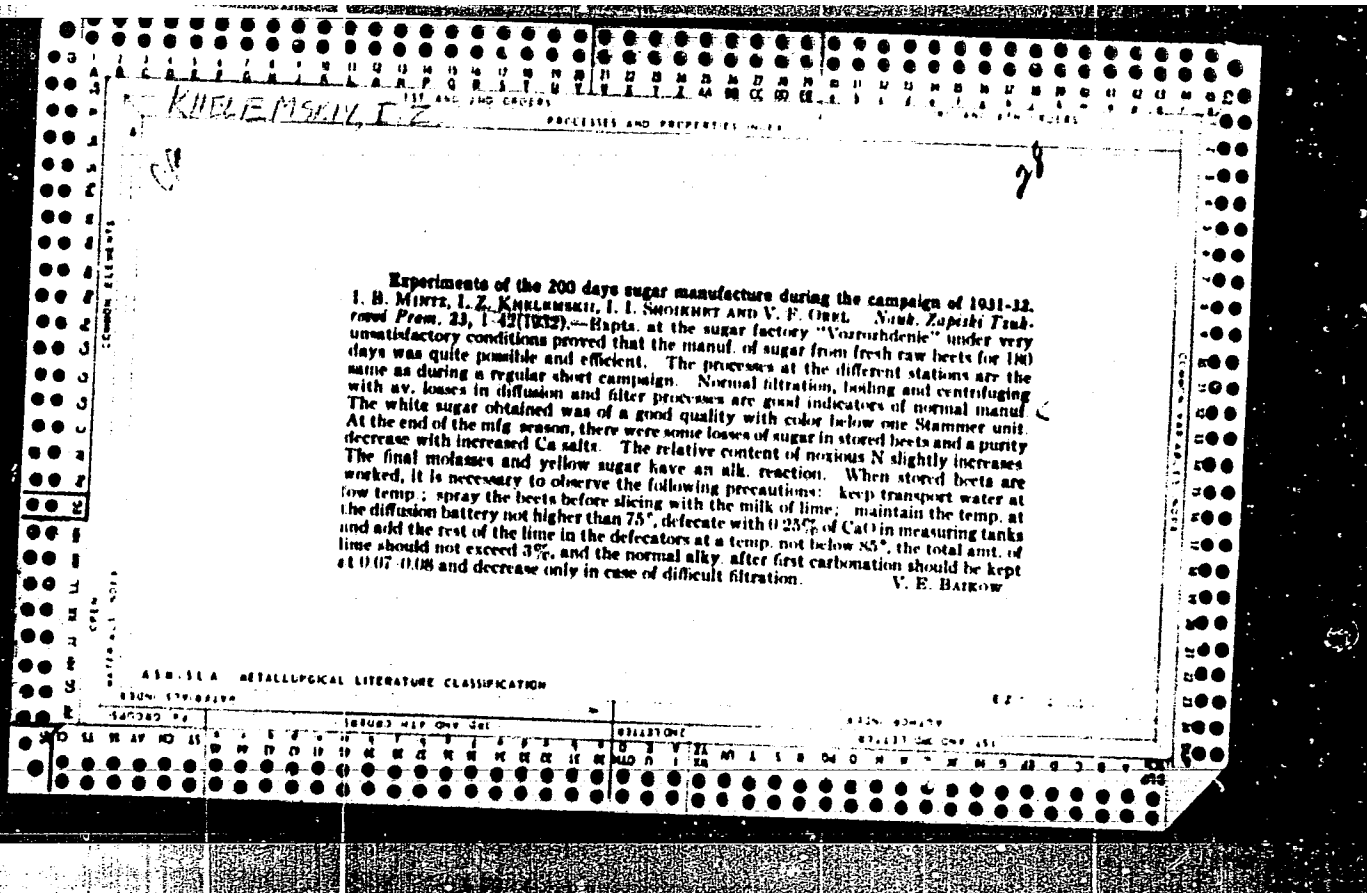
(MIRA 18:9)

KHELEMSKIY, A.Y.; KHENKIN, G.M.

Imbedding of compacts into ellipsoids. Vest. Mosk. un. Ser. 1:
Mat., mekh. 18 no.2:3-12 Mr-Apr '63. (MIRA 16:6)

1. Kafedra teorii funktsiy i funktsional'nogo analiza Moskovskogo
universiteta.

(Hilbert space)' (Topology)



LEVENKO, Petr Ivanovich; KHELEMSKIY, Moisey Aizikovich; ZAKHAROV, M.P.,
retsepsent; GRACHEV, A.V., red.; SHAPENKOVA, T.A., tekhn.
red.

[New technological processes in leather manufacture] Novye
tekhnologicheskie protsessy v kozhevennom proizvodstve. Mo-
skva, Rostekhzdat, 1963. 159 p. (MIRA 16:9)
(Leather industry)

HELEMSZKIJ, M.S. [Khelemskiy, M.Sh.] prof.; TOTH ZSIGA, Istvan [translator]

Sugar beet storage; theoretical principles and technique
of long-lasting beet storage in the Soviet Union. Cukor 12
no.10:273-279 0 '59.

1. Kievi Cukoripari Kutatointezet.

1ST AND 2ND TRIERS
 PROCESSES AND PROPERTIES INDEX
 1ST AND 2ND TRIERS

Distribution of sugar in the beet. D. A. HESTER AND M. Z. KOLENOSKII.
 Nauk. Zapiski Leningrad. Univ. 110-33(1930).

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 1ST AND 2ND TRIERS

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Processes and Properties

Preservation of sugar-factory juices. I. B. MINIZ AND M. Z. KHALIMSKII. *Nant Zapiski Tashkent Prom.* 20, 21-8 (1932).—Preservation of beet juice instead of dry beets is more advantageous. Diffusion juice mixed with milk of lime can be preserved for more than 100 days. M. and K. studied different concretes for construction of a reservoir to resist the chem action of beet juice. V. E. BAIKOV

ASH 15.1 METALLURGICAL LITERATURE CLASSIFICATION

LIST AND NO. SIDERS		PROCESSES AND PROPERTIES INDEX		AND AND 4TH (SIDERS)	
<p>Colloids of sugar beets during prolonged storage and manufacture. M. Z. KNEHLER- 2511 AND R. P. KIMHEVNOVA. <i>Nauk. Zapiski Tshukrovo</i> From 21 2, 51 (1932). From expts. on normal and diffusion juices it was impossible to det. any const. relation between amt. of colloids and H-ion concn., viscosity, surface tension, reducing substances or purity of juices. From December to April there is a continuous increase of colloids in diffusion juice, on an av. of 60% above the original amt. The amt. of colloids was detd. by means of ultra-filtration. V. E. BAIKOV</p>					
<p>ASB-11A METALLURGICAL LITERATURE CLASSIFICATION</p>					
10000 DIVISION		10000 DIVISION		10000 DIVISION	
10000 DIVISION		10000 DIVISION		10000 DIVISION	

MA

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Electrometric determination of ash in sugar-beet products. M. Z. Khatamkhi.
Nauk. Zapiski Tadzhiksk. Prom. 23, 55-65(1962). The method of ignition can be suc-
cessfully replaced by an electrometric method with the app. of Todt (C. A. 24, 40949).
The results are sufficiently accurate in detn. of sol. ash. The app. and the method of
manipulation are described. V. E. BAIKOV

ASH-55A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<p><i>ca</i></p> <p>Experiments on preserving and concentration of diffusion juices with application to manufacture on a large scale. <i>M. Z. Khokhlov, I. I. Shokhet and I. B. Glukhovskii. Nauch. Zapiski Tsvetkovsk. 10, No. 30, 1-13(1933); cf. C. A. 28, 42631.</i>—Diffusion juice of 87.3 purity treated for 10 min. with 2% lime was pumped into a reservoir. To protect the juice from the air a 10-mm. layer of Oleonapht was poured on the surface. From Nov. until March samples taken every 8-10 days from different levels of the tank showed no change. At the end of this period the diffusion juice was run through preheaters, being reheated to 65-70°, and then to the defecators where milk of lime was added to obtain an alky. of 1.7-2.0. The defecated juice was pumped to first carbonation, whence the regular practice was followed. Filtration was easy, the thin and thick juices did not foam and the white sugar had a color in Stammer units of 0.8-1.0. Parallel to this expt. the diffusion juice, concd. to 30° Brix, was previously treated with lime to slightly alk. reaction. For better preservation milk of lime to an alky. of 0.6-0.8 was added to the concd. diffusion juices. To the thick juice at the temp. of 65-70° was added milk of lime to an alky. of 3.0-3.7 and the thick juice was carbonated to an alky. of 0.07; then the juice was reheated to 80-85° and filtered. The filtration through filter-presses was rather difficult. The filtered thick juice was carbonated a second time to an alky. of 0.02-0.015 and after double filtration was evapd. and bottled. The color of the sugar was 1.3 Stammer units. Tables of analyses are given.</p> <p>V. E. Balkov</p>																			
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RECORDS AND COMMUNICATIONS SECTION									
UNITED STATES GOVERNMENT									
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28

INFLUENCE OF DIFFERENT FACTORS ON THE STORAGE OF SUGAR BEETS. I. B. Mintz, M. Z. Khejenski and S. I. Sigal. *Nauk. Zapiski Tashkent Prom.* 10, No. 28, 133-9 (1933).

The duration of 3 years' investigation of storing sugar beets for long periods. It is advisable to put the beets in piles as soon as they are dug and the time of keeping in piles must be shortened as much as possible. The piles must not be very large and if lengthy storing is expected they must be covered with grass mats and earth. Disinfect the beets with slaked lime, milk of lime or filter-press mud. Avoid frequent opening of piles and watch the temp. inside of the piles carefully. Only healthy and ripe beets should be stored.

V. E. Baitlow

ASAC S.L.A. METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
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<p>Changes in preserved sugar juices during storage. M. Z. Khelemakhi and I. I. Sholokhet. <i>Nauch. Zapiski Sverdlovsk-Prosv. 44, 1-14 (1934); cf. C. A. 30, 3207.</i> Heart-diffusion juice treated with CaO to an alk., not less than 0.5% CaO and covered with a layer of mineral oil lost its sugar content at the rate of 0.0012-0.0017% per day. Heating the juice at the time of liming is not neces- sary, nor need the ppt. be removed. B. C. A.</p>																			
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Study of conditions for preserving diffusion juice.
M. Z. Khelemskii, I. I. Shaikhet and I. R. Glukhovskii.
Nauka-Zhurnal-Sobremennost' 11, Book 48, No. 11,
47-57 (1934).--Lab. expts. on preservation of diffusion
juices showed that the losses of sugar are 0.001-0.0015%
per day, the color of the juice slowly increases and Ca
salts accumulate in juices of the second carbonation. For
better preservation the alk. of a filtered, defecated juice
should be 0.6-0.6%. The best method for treating juices
is ordinary hot defecation and double carbonation.
V. R. Baikov

ASB-55.4 METALLURGICAL LITERATURE CLASSIFICATION

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28

Variation in the constituents of beans on prolonged storage. M. Z. Khelenskiĭ and S. I. Sigal. *Vostochno-Narsh.-Isledeniia*. Part. Sakharod Prom., (Zhurnal Vostochno-Narsh.-Isledeniia). Khabarovsk, N. I. S.S.R. 1936. 1937 4(1037); *Chemie & Industrie* 42, 646. Lab. tests showed that when beans are stored under proper conditions, factors such as increase in the amt. of harmful N and of antipeptic substances, and also regrouping of monosaccharides, increase in the colloid content, etc., are not of sufficient magnitude to interfere with normal technological operations.

A. Papineau-Couture

137 AND 138 (REV. 10-60) PROCESSING AND PROPERTIES INDEX

28

EX

Experiments on preserving diffusion juices on a yearly basis at the Dzerzhinskii sugar factory. M. Z. Khelemakii and I. I. Shokhet. *Nauch. Zapiski Sakharnoi Prom., Tech. Ser.*, 13, 383-90 (1936).—The losses of sugar in a beet-sugar factory mfg. sugar from freshly sliced beets are 2.32% on the wt. of beets, 0.28% lost in diffusion, 0.13% in filter-press mud, 1.64% in final molasses and 0.27% undetd. When diffusion juice was preserved for 150 days, the total losses were to 2.48%. It was found that the lower layers of preserved diffusion juices were absolutely normal while the upper ones had deteriorated. Juices were preserved for a period of 222 days in good condition with daily losses on the wt. of juice of 0.0015%. V. K. Baikov

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Alc-own drying of sugar beets in Central Asia. M. Z. Khatunov and A. K. Kartashev. *Pishchovye Prom.* 1968, No. 2/4, 41-7.—A review of the factors affecting the outdoor drying of sugar beets with suggestions for further research and development work. S. Gattlieb

ASIS-ISA METALLURGICAL LITERATURE CLASSIFICATION

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1ST AND 2ND CODES										3RD AND 4TH CODES									
PROCESSIES AND PROPERTIES INDEX																			
<p>Root-rot cultivation and the sugar industry in the east (of Russia). M. Z. Khechinskii. <i>Prilozheniye</i> <i>Prilozheniye</i> 1949, No. 1, 3-6. K. stresses the importance of the sugar-producing potential of the eastern regions of Russia in view of the destruction of the Ukrainian facilities. This forest. to be a minimum of 1 million tons per year. The present lack of factories for the production of cryst. sugar need not prevent the development of the industry in these areas since there are many uses for the raw or dried sugar beet. The most economical methods of drying beets for regions with different climates are described. Eugene Roberts</p>																			
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1 W. Zilman
A new method for cleaning sugar beets. M. Z. Khel
vinskii. *Trudy Krasnykh Prom.* 1945, No. 2, 122-123. ~~Beets~~
are cut at the extreme end and well down toward the tip,
instead of with a flat or tapered cut at the stem end. Beets
cleaned in this form yield slices with 0.15-0.3% less sugar
(calcd. on beet wt.). Syrup yield is increased 0.3-0.5%
but final sugar yield is 0.23-0.5% less than with the tapered
top cut. The new cut more than compensates this loss by
improved keeping quality and consequent simplification
in handling. Tabulated data show sugar content, juice
quality, and color, Ca content of lined juice, invert sugar
content, total and sol. N compounds, total and sol. pulp, ash
content and ash analysis for tapered-cut beets and then
cuttings. Julian P. Smith

<div style="float: right; text-align: right;">28</div> <div style="text-align: center;"> <p>PROCESSES AND PROPERTIES INDEX</p> <p>Continuously operating juice extraction plants in the German sugar industry. M. Z. Khelemskii. <i>Sukharovskaya Prom.</i> 20, No. 3, 40-2 (1947); <i>Chem. Zvest.</i> 1947, 1, 1040. - A no. of plants employing different processes of continuous extr. are described. M. G. Moore</p> </div>																									
<div style="float: right; text-align: right;">EXTENDING</div> <div style="text-align: center;"> <p>ASB-ILA METALLURGICAL LITERATURE CLASSIFICATION</p> </div>																									
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ПРИЛОЖЕНИЕ. ПЛЕЙОТРОП. YE.

Beets and Beet Sugar

Determination of sucrose on long stored sugar beets. Sakh. prom. 26. No.3, 1952

9. Monthly List of Russian Accessions, Library of Congress, June 1952 _____ 1953, Uncl.

SAVKO, D.P., BRAMNIK, D.B., KHELEMSKIY, M.Z. FLEYSHMAN, L.YE.

Efficiency, Industrial

Utilization of intra-industry potentialities. Sakh. prom. 26 No. 6 (1952)

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

KHELEMSKIY, M.Z.

Rationalizing the storage of beets and their delivery for processing. Sakh.
prom. 27 no.10:22-25 '53. (MIRA 6:11)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharney promyshlennosti.
(Sugar industry)

PARSHIKOV, M. Ya.; MAKHINYA, M. M.; SILIN, P. M.; YAPASKURT, V. V.; YEPISHIN, A. S;
SHAKIN, A. N.; ZHIDKOV, A. A.; KHELEMSKIY, M. Z.; KARTASHOV, A. K.; BENIN, G. S.
LEPESHKIN, I. P.; KRASNYUK, G. M.; ZHVIREKO, I. S.; ZELIKMAN, I. P.; KHEYZE, B. V.

Birthday of P. V. Golovin. Sakh. prom. 29 no. 5:7 '55. (MLRA 8:11)
(Golovin, Pavel Vasil'evich, 1880-)

YAPASKURT, V.V.; YEPISHIN, A.S.; SHAKIN, A.H.; SILIN, P.M.; ZHIDKOV, A.A.;
KHELEMSKIY, M.Z.; SHEMYAKIN, P.H.; NOVIKOV, V.A.; POPOV, V.D.; HENIN,
G.S.; NAYDENOV, A.K.; KURBATOVA, V.S.; KARTASHOV, A.K.; YARMOLINSKIY,
A.K.; ZIBOROV, D.K.; VAYSMAN, M.L.; ZAMBROVSKIY, V.A.; SVYATENKO, M.M.

IU111 Markovich Zhvirblianaskii; obituary. Sakh.prom.29 no.6:48 '55.
(Zhvirblianaskii, IU111 Markovich, 1894-1955) (MIRA 9:1)

KHELEMSKIY, M.Z., professor; SHEPELEV, I.A.

Mechanical ventilation of sugar beets in storage. Trudy TSINS
no.4:3-24 '56. (MLRA 10:5)

1. TSentral'nyy nauchno-issledovatel'skiy institut sakharney
promyshlennosti (for Khelemskiy) 2. Vsesoyuznyy nauchno-
issledovatel'skiy institut sanitarno-tekhnicheskogo oborudovaniya
(for Shepelev)
(Sugar beets--Storage) (Ventilation)

KHELEMSKIY, M. Z.

Storing of mether beets. Sakh.prem.30 no.5:59-63 ~~4x~~ '56.
(MLRA 9:9)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharney promyshlen-
nosti.

(Sugar beets)

KHELEMSKIY, M.Z.; SHAMYAKIN, P.N.; KRASHOKUTSKIY, B.I.

Storage of beets in high surface silos and beet processing.
Sakh.prom. 30 no.8:5-9 Ag. '56. (MLRA 9:11)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharney promyshlennosti.
(Sugar beets--Storage)

KHELEMSKIY, M.Z.; POYEDINOK, N.T.

Effect of radioactive irradiation on the conditions of sugar
beets in storage. Sakh.prom.30 no.10:16-19 0 '56. (MIRA 10:1)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharney
promyshlennosti.

(Sugar beets--Storage) (Radioactivity)

KHELEMSKIY, M.Z.

Mechanical ventilation for atmospheric control in beet storage.
Sakh.prom. 30 no.12:17-22 D '56. (MLRA 10:1)

1. TSentral'nyy nauchno-issledovatel'skiy institut sakharnoy promyshlennosti.
(Sugar beets---Storage)

KHELEMSKIY, M., prof.; KUDRYASHOV, N.

Storage of sugar beets under a layer of ice [with summary in English].
Khol. tekhn. 35 no.4:62-65 JI-Ag '58. (MIRA 11:10)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy
promyshlennosti (for Khelemskiy). 2. Vsesoyuznyy nauchno-issledovatel'skiy
kholodil'noy promyshlennosti (for Kudryashov).
(Sugar beets--Storage)

KHELEMSKIY, M.

TECHNOLOGY

periodicals: LISTY CUKROVARNICKE Vol. 74, no. 11, Nov. 1958

KHELEMSKIY, M. Theoretical principles and the present technique of long-range sugar-beet protection in the USSR. Tr. from the Russian. p. 242.

Monthly List of East European Accession (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

KHELEMSKIY, M.Z.

New technology for the processing of molasses at the "veb
gärungschemie Dessau" Combine in the German Democratic Republic;
personal survey. Sakh. prom. 33 no.2:61-64 F '59.

(Germany, East--Molasses)

(MIRA 12:3)

KHELEMSKIY, M.Z. .

Berlin conference on the storage of sugar beets. Sakh. prom. 33
no. 4:68-70 Ap '59. (MIRA 12:6)
(Sugar beets--Storage)

KHELEMSKIY, M.Z.

Tenth anniversary of the German People's Republic. Sakh.pron.
33 no.9:1-5 S '59. (MIRA 13:1)
(Germany, East--Sugar industry)

KHELEMSKIY, M.Z.

Raise the standards of biochemical research in the sugar industry.
Sakh. prom. 33 no.11:16-20 N '59 (MIRA 13:3)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy promyshlennosti (TsINS).
(Biochemistry) (Sugar research)

KHELEMSKIY, M.Z.

Improvement of the storage of raw products as the main factor contributing to the reduction of sugar losses during the season of prolonged production. Sakh.prom. no.4:9-12 Ap '60.

(MIRA 13:8)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy promyshlennosti.

(Sugar beets--Storage)

(Sugar industry)

KHELEMSKIY, M.2.

Storage of sugar beets abroad. Sakh.prom. 34 no.10:65-69 0 '60.
(MIRA 13:10)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharney promyshlennosti.

(Sugar beets--Storage)

KHELEMSKIY, M.Z.

Course of the development of the sugar industry in the eastern parts of the country. Sakh. prom. 35 no. 1:8-12 Ja '61.

(MIRA 14:1)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy promyshlennosti.

(Sugar industry)

KHELEMSKIY, M.Z.

Development of the sugar industry in Kuban, and the first graduation
in Krasnodar of engineers-technologists for the sugar industry.
Sakh.prom.35 no.3:5-6 Mr '61. (MIRA 14:3)

1. Tsentral'nyy nauchno-issledovatel'skiy insitut ~~sakharnoy~~
promyshlennosti.
(Kuban—Sugar industry)
(~~Krasnodar~~—Sugar industry—Study and teaching)

KLEYMAN, B.M.; KHELEMSKIY, M.Z.

Drying of beet leaves, lucerne, and other herbs at sugar factories.
Sakh.prom. 35 no.6:3-6 Je '61. (MIRA 14:6)

1. Gosplan SSSR (for Kleyman).
2. Tsentral'nyy nauchno-issledovatel'skiy institut sakharnoy promyshlennosti (for Khelemskiy).
(Herbs) (Sugar industry)

ZOTOV, V.P.; MAKHINYA, M.M.; PARSHIKOV, M.Ya.; GAVRILOV, A.N.; SILIN, P.M.;
GOLOVIN, P.V.; KHEYZE, N.V.; BUZANOV, I.F.; KHELEMSKIY, M.Z.;
YAPASKURT, V.V.; SHARKO, A.P.; SANOV, N.M.; LITVAK, I.M.; IVANOV,
S.Z.; LEFESHKIN, I.P.; KLEYMAN, B.M.; YEPISHIN, A.S.; GOLUB, S.I.;
GERASIMOV, S.I.; GEUBE, V.R.; PASHKOVSKIY, F.M.; LITVINOV, Ye.V.;
BENIN, G.S.; IVANOV, P.Ya.; VINOGRADOV, N.V.; PONOMARENKO, A.P.;
ZHIDKOV, A.A.; KOVAL', Ye.T.; KARTASHOV, A.K.; NOVIKOV, V.A.

Sixtieth birthday of A.N.Shakin, Director of the Central
Scientific Research Institute of the Sugar Industry. Sakh.
prom. 35 no.7:33 JI '61.

(MIRA 14:7)

(Shakin, Anatolii Nikitovich, 1901-)

(Sugar industry)

ZHADAN, V. Z.; KHELEMSKIY, M. Z.

Effect of the temperature of sugar beet storage on sugar losses
due to respiration. Sakh. prom. 36 no.10:55-58 0 '62.
(MIRA 15:10)

1. Tsentral'nyy nauchno-issledovatel'skiy institut sakharney
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(Sugar beets--Storage)

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